# O 1 P & C 1 1 2004

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant: Applicant: Applicant Applicant: Applicant: Applicant Ap

Title:

SYSTEM AND METHODS FOR SEGMENTING AND DISPLAYING TUBULAR VESSELS

IN VOLUMETRIC IMAGING DATA

Docket No.:

543.011US1

Serial No.: 10/723445

Filed:

November 26, 2003

Due Date: N/A

Examiner:

Unknown

Group Art Unit: 2682

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

X Communication Concerning Related Application(s) (1 pg)

 $\underline{X}$  A return postcard.

X An Information Disclosure Statement (2 pgs.), Form 1449 (2 pgs.), and copies of 10 cited documents.

Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer Number 21186

Atty: Suneel Arora Reg. No. 42,267

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 28 day of May, 2004.

Name

Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

(GENERAL)

'N 10/723445

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

pplicant: Prabhu Krishnamoorthy et al. Examiner:

Unknown

Serial No .:

10/723445

Group Art Unit:

2682

Filed:

November 26, 2003

543.011US1

Docket:

Title:

SYSTEM AND METHODS FOR SEGMENTING AND DISPLAYING TUBULAR VESSELS IN VOLUMETRIC IMAGING DATA

# INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 et. seq., the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

Title: SYSTEM AND METHODS FOR SEGMENTING AND DISPLAYING TUBULAR VESSELS IN VOLUMETRIC IMAGING DATA

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

The present application is either a U.S. national patent application filed after June 30, 2003 or an international application that entered the national stage under 35 U.S.C. § 371 after June 30, 2003. Thus, Applicant believes that the U.S. Patent & Trademark Office has waived the requirement under 37 C.F.R. 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication. The waiver is provided in a pre-OG notice from the U.S. Patent & Trademark Office entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003" and dated July 11, 2003. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

Respectfully submitted,

PRABHU KRISHNAMOORTHY ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A. P.O. Box 2938
Minneapolis, MN 55402
(612) 373-6951

Date ///ay 28, 2004

Suneel Arora

Reg. No. 42,267

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JANEB M Lugter

/Signatur



# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Prabhu Krishnamoorthy et al.

Examiner: Unknown

Serial No.:

10/723445

Group Art Unit: 2682

Filed:

November 26, 2003

Docket: 543.011US1

Title:

SYSTEM AND METHODS FOR SEGMENTING AND DISPLAYING TUBULAR

VESSELS IN VOLUMETRIC IMAGING DATA

## COMMUNICATION CONCERNING RELATED APPLICATION(S)

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related application(s) in the above-identified patent application:

Serial/Patent 1	No. Filing Date	Attorney Docket	<u>Title</u>
10/155892	May 23, 2002	543.005US1	SYSTEMS AND METHODS FOR
			OCCLUSION CULLING IN VOLUME
			RENDERING
10/679250	October 3, 2003	543.009US1	SYSTEMS AND METHODS FOR
			EMULATING AN ANGIOGRAM USING
			THREE-DIMENSIONAL IMAGE DATA

Respectfully submitted,

PRABHU KRISHNAMOORTHY ET AL.

By Applicants' Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

P.O. Box 2938

Minneapolis, MN 55402

(612) 373-6951

Date

May 28, 2004

Ву

Suneel Arora Reg. No. 42,267

<u>CERTIFICATE UNDER 37 CFR 1.8:</u> The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to:

Commissioned for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this day of May, 2004.

Name IN LIGHT

Signáture

Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE 10/723445 **Application Number** STATEMENT BY APPLICANT November 26, 2003 (Use as many sheets as necessary) Filing Date Krishnamoorthy, Prabhu **First Named Inventor** JUN SIEMARY OF 2 2682 **Group Art Unit** Unknown **Examiner Name** Attorney Docket No: 543.011US1

US PATENT DOCUMENTS						
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	2002/0090121A1	07/11/2002	Schneider, Alexander C., et al.	382	128	11/23/2001
	2003/0056799A1	03/27/2003	Young, Stewart, et al.	128	922	09/05/2002
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	US-4,945,478	07/31/1990	Merickel, Michael B., et al.	364	413	11/06/1987
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**EXAMINER** 

**DATE CONSIDERED** 

PTO/SB/084(10-01)
Approved for use through 10/31/2002, 0MB 651-0031
US Peient & Trademark Office: U.S. DEPARTMENT OF COMMERCE
ction of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO	Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number	10/723445		
(Use as many sheets as necessary)	Filing Date	November 26, 2003		
	First Named Inventor	Krishnamoorthy, Prabhu		
	Group Art Unit	2682		
	Examiner Name	Unknown		
Sheet 2 of 2	Attorney Docket No: 543.011US1			

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Examiner Initials*	Foreign Document No	Publication Date Name of Patentee or Applicant of cited Document		Class	Subclass	T²
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	EP-1001379	05/17/2000	Knittel, James, et al.	G06T	15/40	
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Examiner Cite Initials* No 1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(publisher, city and/or country where published.	
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**EXAMINER**